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2018-04547

Activity 01 Documentation

Pulling an image

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker search ubuntu
NAME                DESCRIPTION                                     STARS     OFFICIAL   AUTOMATED
ubuntu              Ubuntu is a Debian-based Linux operating sys... 12381     [OK]
dorowu/ubuntu-desktop-lxde-vnc Docker image to provide HTML5 VNC interface ... 540
websphere-liberty   WebSphere Liberty multi-architecture images ... 273       [OK]
rastasheep/ubuntu-sshd Dockerized SSH service, built on top of offi... 253       [OK]
consol/ubuntu-xfce-vnc Ubuntu container with "headless" VNC session... 241       [OK]
ubuntu-upstart      Upstart is an event-based replacement for th... 110       [OK]
ansible/ubuntu14.04-ansible Ubuntu 14.04 LTS with ansible                  98        [OK]
land1internet/ubuntu-16-nginx-php-phpmysql-5 ubuntu-16-nginx-php-phpmysql-5                 50        [OK]
open-liberty        Open Liberty multi-architecture images based... 46        [OK]
ubuntu-debootstrap  debootstrap --variant=minbase --components=m... 44        [OK]
i386/ubuntu         Ubuntu is a Debian-based Linux operating sys... 25
nuagebec/ubuntu     Simple always updated Ubuntu docker images w... 24        [OK]
solita/ubuntu-systemd Ubuntu + systemd                               24        [OK]
land1internet/ubuntu-16-apache-php-5.6 ubuntu-16-apache-php-5.6                       14        [OK]
land1internet/ubuntu-16-apache-php-7.0 ubuntu-16-apache-php-7.0                       13        [OK]
land1internet/ubuntu-16-nginx-php-phpmysql-mariadb-10 ubuntu-16-nginx-php-phpmysql-mariadb-10        11        [OK]
land1internet/ubuntu-16-nginx-php-5.6-wordpress-4 ubuntu-16-nginx-php-5.6-wordpress-4            9         [OK]
land1internet/ubuntu-16-nginx-php-5.6 ubuntu-16-nginx-php-5.6                        8         [OK]
land1internet/ubuntu-16-apache-php-7.1 ubuntu-16-apache-php-7.1                        7         [OK]
pivotaldata/ubuntu  A quick freshening-up of the base Ubuntu doc... 4
land1internet/ubuntu-16-nginx-php-7.0 ubuntu-16-nginx-php-7.0                       4         [OK]
smarterentry/ubuntu ubuntu with smarterentry                       1         [OK]
pivotaldata/ubuntu-gpdb-dev Ubuntu images for GPDB development             1
land1internet/ubuntu-16-php-7.1 ubuntu-16-php-7.1                             1         [OK]
land1internet/ubuntu-16-rspec ubuntu-16-rspec                               0         [OK]

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB
ubuntu        16.10     7d3f705d307c   3 years ago    107MB

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b0342d96f17596cd6ee3bba988629e24d9af5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2ee903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d352d360dedc91d3ed4547f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bf7fef
Deleted: sha256:57145c01eb80040fd0a24cde20af4788605b49593188d4f7efab099af89a08e

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB
```

Running our container

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker run ubuntu:16.04 /bin/echo
'Hello world!'
'Hello world!'
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
cdfd67558cb9	ubuntu:16.04	"/bin/echo 'Hello wo..."	36 seconds ago	Exited (0)	35 seconds ago	thirsty_bouman

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker run ubuntu:16.04 /bin/bash
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
3305516c119c	ubuntu:16.04	"/bin/bash"	36 seconds ago	Exited (0)	34 seconds ago	eager_swanson
cdfd67558cb9	ubuntu:16.04	"/bin/echo 'Hello wo..."	About a minute ago	Exited (0)	About a minute ago	thirsty_bouman

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>$ docker run -it ubuntu:16.04 /bin/bash
'$' is not recognized as an internal or external command,
operable program or batch file.
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker run -it ubuntu:16.04 /bin/bash
root@528728bcd66:/# pwd
/
root@528728bcd66:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@528728bcd66:/# exit
exit
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
7eede687693f	ubuntu:16.04	"/bin/sleep 3600"	4 seconds ago	Up 3 seconds		unruffled_wescoff

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker run -d ubuntu:16.04 /bin/sleep 3600
7eede687693f58e2bc86422c215b1a7a077b23087471c9d08e1f850b84f759af
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
7eede687693f	ubuntu:16.04	"/bin/sleep 3600"	4 seconds ago	Up 3 seconds		unruffled_wescoff

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker stop 7eede7eede
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
7eede687693f	ubuntu:16.04	"/bin/sleep 3600"	3 minutes ago	Exited (137)	25 seconds ago	unruffled_wescoff
528728bcd66	ubuntu:16.04	"/bin/bash"	4 minutes ago	Exited (0)	4 minutes ago	happy_borg
3305516c119c	ubuntu:16.04	"/bin/bash"	6 minutes ago	Exited (0)	6 minutes ago	eager_swanson
cdfd67558cb9	ubuntu:16.04	"/bin/echo 'Hello wo..."	7 minutes ago	Exited (0)	7 minutes ago	thirsty_bouman

Removing containers

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker rm 7eede7eede
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
528728bcd66	ubuntu:16.04	"/bin/bash"	5 minutes ago	Exited (0)	4 minutes ago	happy_borg
3305516c119c	ubuntu:16.04	"/bin/bash"	7 minutes ago	Exited (0)	7 minutes ago	eager_swanson
cdfd67558cb9	ubuntu:16.04	"/bin/echo 'Hello wo..."	8 minutes ago	Exited (0)	8 minutes ago	thirsty_bouman

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
'Hello and goodbye!'
```

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Docker\1-running_containers>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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